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| DECLARATION FOR   | UTILITY OR   | Attorney Dock<br>Number     | et                       | 8884  |  |                               |  |  |
|---|--|-----------------------------|--------------------------|---|--|-------------------------------|--|--|
| DESIGN  |  | First Named In              | ventor                   | Louis A. Car  | pino                                     |                               |  |  |
| PATENT APPLI  |  |                             | COMPLETE IF KNOWN        |   |  |                               |  |  |
| (37 CFR 1.  | 63)  | Application N               | umber                    | 10/577,352  |  |                               |  |  |
|   | laration<br>mitted after Initial                       | Filing Date                 |                          | April 28, 2006  |  |                               |  |  |
| With Initial Filin  | g (surcharge<br>CFR 1.16 (e))                          | Art Unit                    |                          |   |  |                               |  |  |
| •   | ired)  | Examiner Na                 | me                       |   |  |                               |  |  |
|   | ž  |                             |                          |   |  |                               |  |  |
| I hereby declare that:  |  |                             |                          |   |  |                               |  |  |
| Each inventor's residence, ma   | ailing address, and cit                                | izenship are as s           | tated bel                | ow next to their r  | name                                     |                               |  |  |
| I believe the inventor(s) named be is sought on the invention entitled  |  |                             |                          |   |  | nich a patent                 |  |  |
| NEW   | COUPLING AGE   | NTS FOR PE                  | PTIDE                    | SYNTHESIS   |  |                               |  |  |
| the specification of which  | (Title of th   | e Invention)                |                          |   |  |                               |  |  |
| ☐ is attached hereto  | as.  |                             |                          |   |  |                               |  |  |
| OR  | <b>.</b>   |                             |                          |   |  |                               |  |  |
| was filed on (MM/DD/YYYY  | 7 11/01/2004   | as United                   | States Ap                | plication Number or   | PCT Internation                          | al                            |  |  |
| Application Number PCT/US   | S2004/036428 and                                       | was amended on (            | MM/DD/Y`                 | YYY) 04/2   | 8/2006                                   | if applicable)                |  |  |
| I hereby state that I have reviewed amended specifically referred to a  | and understand the cobove.                             | ontents of the abo          | ve identif               | ied specification, i  | ncluding the clai                        | ms, as                        |  |  |
| I acknowledge the duty to disclose<br>continuation-in-part applications, r<br>the national or PCT international f   | naterial information whi                               | ich became availa           | ıble betwe               | efined in 37 CFR een the filing date                          | 1.56, including fo<br>of the prior appli | or<br>cation and              |  |  |
| I hereby claim foreign priority benefit<br>breeder's rights certificate(s), or 368<br>States of America, listed below and<br>breeder's rights certificate(s), or an<br>claimed. | (a) of any PCT internations have also identified below | ional application w         | hich desig<br>e box. anv | nated at least one foreign application                        | country other that for patent, inver     | an the United ntor's or plant |  |  |
| Prior Foreign Application<br>Number(s)  | Country  | Foreign Filing<br>(MM/DD/YY |                          | Priority<br>Not Claimed                                       | Certified Copy                           | / Attached?                   |  |  |
|   |  |                             |                          |   |  | — <del>     </del>            |  |  |
|   |  |                             |                          | ] [   |  |                               |  |  |
|   | *  |                             |                          | L   | <u> </u>                                 | لاعا                          |  |  |
| Additional foreign application nu   | mbers are listed on a su                               |                             |                          |   |  |                               |  |  |
| I hereby claim the benefit unde   | er 35 U.S.C. 119(e) of                                 | any United State            | es provis                | ional application(  | s) listed below.                         |                               |  |  |
| Application Number(s)   | Filing Date (MM  | N/DD/YYYY)                  |                          |   |  |                               |  |  |
| 60/516,167  | 10/31/2003   |                             |                          | Additional provision<br>listed on a supple<br>PTO/SB/02B atta | mental priority da                       |                               |  |  |

[Page 1 of 2]

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1 63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1 11 and 1.14 This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450 DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. 1358543

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## **DECLARATION** — Utility or Design Patent Application

hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U S C 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 156 which became available between the filing date of the prior application and the national or PCT international filing date of this application. Parent Patent Number U.S. Parent Application or PCT Parent Parent Filing Date Number (MM/DD/YYYY) (if applicable) Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: 🛛 Customer Number 🦠 22922 ☐ Registered practitioner(s) name/registration number listed below Registration Registration Number Number Additional registered practitioner(s) named on supplemental Registered Practitioner Information sheet PTO/SB/02C attached hereto Direct all correspondence to: Correspondence 22922 OR associated with address below **Customer Number** Name Address Citv State ZIP Country Telephone Email 1

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Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

| NAME OF SOLE OR FIRST INVENTO          | OR:                                   | - P                | A petit   | tion has    | been filed for | r this unsig       | ned invent         | tor   |
|--|---------------------------------------|--------------------|-----------|-------------|----------------|--------------------|--------------------|-------|
| Given Name (first and middle [if any]) |                                       | 1                  |           |             | e or Surname   | e !                | 4.                 |       |
| Louis A.                               | *                                     | 17<br>121<br>17    | CA        | RPINC       | )              |                    | ie.                |       |
| Inventor's Senature                    | evima                                 |                    |           |             | Date 10        | 104,               | 106                |       |
| Residence: City                        | 1                                     | State              |           | Count       | try            | Citizensh          | ip 🥖               |       |
| Amherst                                |                                       | MA                 | :         | U.S.        |                | U.S.               |                    | - (   |
| Mailing Address                        | \$ *                                  | 1                  |           | <del></del> |                |                    |                    |       |
| 11 Mount Pleasant                      |                                       |                    |           |             |                |                    | , i                | * 4   |
| City                                   |                                       | State              |           | Zip         |                | Country            | 1.3.1              |       |
| Amherst                                | · · · · · · · · · · · · · · · · · · · | MA                 | :         | 0100        | 2              | U.S.               |                    |       |
|  |                                       | ÷                  |           |             |                |                    |                    |       |
| NAME OF SECOND INVENTOR:               | ž.                                    | . 3                | ☐ A petit | tion has    | been filed for | ्र<br>r this unsig | ned invent         | tor   |
| Given Name (first and middle [if any]) | Ž                                     | ÷                  | Fam       | ily Nam     | e or Surname   | •                  |                    |       |
| Jusong                                 | 4-                                    | 4.<br>M            | XIA       |             |                | Ť                  |                    |       |
| Inventor's Signature                   |                                       | 6 64.0             |           |             | Date           | ety.               | *                  |       |
|  | 4                                     | 9.5                | `         | ·           |                | :è,                | \$ 15.47<br>\$1.50 | 1.50g |
| Residence: City                        |                                       | State              |           | Count       | ry             | Citizensh          | ip                 |       |
| Moore                                  |                                       | SC                 |           | U.S.        |                | CN                 | · '                |       |
| Mailing Address                        | in the second                         | v 2004 ;           |           |             |                |                    |                    |       |
| 509 Bernndary Court                    | <u> </u>                              | · · · · · ·        |           |             |                | •                  | * 1                |       |
| City<br>Moore                          | ·                                     | State<br>SC        |           | Zip 2936    | .0             | Country<br>U.S.    | 7 ·                | 35/m  |
| Woore                                  | Š.                                    | 36                 | . ·       | 2936        | 9              | 0.5.               | an Des             | ja jā |
|  | <b>.</b>                              | may 17             |           |             |                | **                 |                    |       |
| NAME OF THIRD INVENTOR:                |                                       | <br>10 <u>-</u>    | ☐ A petit | ion has     | been filed for | this unsig         | ned invent         | tor - |
| Given Name (first and middle [if any]) |                                       | • :                |           | -           | e or Surname   |                    |                    |       |
| Chongwu                                | Graph 1                               | •                  | ZH        | ANG         |                |                    |                    |       |
| Inventor's Signature                   | 1984                                  | =1,                |           |             | Date           |                    |                    | -     |
| Paridament Oite                        |                                       |                    |           |             |                | 0:0:= -1-          | . ). i.            | 3.9   |
| Residence: City  Dayton                | Ū.V                                   | State<br><b>NJ</b> |           | Count U.S.  | ry             | Citizensh          | ip                 | 131   |
| Mailing Address                        |                                       |                    |           |             |                | Χ.                 | . 1 . 1            |       |
| 503 Yarrow Circle                      |                                       |                    |           |             |                |                    |                    | *     |
| City                                   | 4.<br>THE PROPERTY.                   | State              |           | Zip         |                | Country            | :                  | 2     |
| Dayton                                 | \$ 2<br>2                             | NJ                 |           | 0881        | 0              | U.S.               |                    |       |
|  | No entirette                          | 1                  |           |             |                |                    | -                  |       |

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| NAME OF FOURTH II               | NVENTOR:                                 |           |             | A petition | n has been fil  | ed for this unsigned | d inventor  |         |
|---------------------------------|--|-----------|-------------|------------|-----------------|----------------------|-------------|---------|
| Given Name (first and Calin Dan | l middle [if a                           | ny])      | A Section 1 | 100        | Name or Sur     | name                 | 1           | 9       |
| Inventor's Signature            | \$55<br>                                 |           |             |            | Date            |                      | :           |         |
| Residence: City Amherst         | - 1<br>  1<br>  1<br>  1                 | 1 h       | State<br>MA | - 17       | Country<br>U.S. | Citizenship RO       | a<br>a<br>a |         |
| Mailing Address 286 Sunset Aven | ue, 308 F                                | Prince Ho | use         |            |                 |                      | š           | 1 1 1 1 |
| City<br>Amherst                 | 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1 | * .*      | State<br>MA |            | Zip<br>01003    | Country U.S.         |             |         |

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Louis A. Carpino

COMPLETE IF KNOWN

10/577.352

April 28, 2006

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First Named Inventor

**Application Number** 

Filing Date

Number

**DECLARATION FOR UTILITY OR** 

**DESIGN** 

PATENT APPLICATION

(37 CFR 1.63)

□ Declaration
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□ Declaration

| Submitted OR  | Submitted after Initial   | . ,9 5 4.5  | 7 (p) (1 20) 2000                                 |   |
|---|---|---|---|---|
| With Initial<br>Filing  | Filing (surcharge<br>(37 CFR 1.16 (e))  | Art Unit  |   |   |
| Filing  | required)   | Examiner Name   | ,   |   |
| I hereby declare that:  |   |   | , , , <del>, , , , , , , , , , , , , , , , </del> |   |
| Each inventor's residen   | ce, mailing address, and citi   | izenship are as stated be   | low next to their r                               | name.   |
| I believe the inventor(s) na<br>is sought on the invention of   | med below to be the original and entitled:  | d first inventor(s) of the subje  | cl matter which is c                              | laimed and for which a patent   |
| h   | NEW COUPLING AGE  | NTS FOR PEPTIDE   | SYNTHESIS   |   |
| the specification of which                                      | (Title of th  | e Invention)  |   |   |
| is attached hereto  |   |   |   |   |
| OR  |   |   |   |   |
| was filed on (MM/DI   | D/YYYY) 11/01/2004  | as United States Ap   | plication Number of                               | r PCT International   |
| Application Number  | PCT/US2004/036428 and   | was amended on (MM/DD/Y   | YYY) 04/2   | 8/2006 (if applicable).   |
| I hereby state that I have re<br>amended specifically referr    | eviewed and understand the coed to above.   | ontents of the above identif  | lied specification, i                             | ncluding the claims, as   |
| continuation-in-part applica                                    | tisclose information which is nations, material information whitional filing date of the continu  | ich became available betw   | lefined in 37 CFR<br>een the filing date          | 1.56, including for of the prior application and                              |
| breeder's rights certificate(s) States of America, listed below | benefits under 35 U.S.C. 119(a<br>, or 365(a) of any PCT internat<br>ow and have also identified below,<br>or any PCT international app | ional application which designs, by checking the box, and   | gnated at least one<br>v foreign application      | country other than the United<br>for patent, inventor's or plant              |
| Prior Foreign Application<br>Number(s)                          | Country   | Foreign Filing Date<br>(MM/DD/YYYY)   | Priority<br>Not Glaimed                           | Certified Copy Attached? YES NO   |
|   |   |   |   |   |
|   |   |   |   |   |
| Additional foreign applic                                       | ation numbers are listed on a su  | pplemental priority data shee   | et PTO/SB/02B atta                                | ched hereto:  |
|   | fit under 35 U.S.C. 119(e) of   |   |   |   |
| Application Number  |   | M/DD/YYYY)  |   |   |
| 50/516,167  | 10/31/2003  |   |   | ional application numbers are<br>emental priority data sheet<br>sched hereto. |
|   |   | (Page 1 of 2)   | ***************************************           |   |
| This collection of information public which is to file (and b   | is required by 35 U.S.C. 115 at<br>y the USPTO to process) an ap  | nd 37 CFR 1.63. The information of the information | ation is required to o<br>governed by 35 U.S      | obtain or retain a benefit by the S.C. 122 and 37 CFR 1.11 and                |

[Page 1 of 4]

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Customer Number 22922 Registered practitioner(s) name/registration number tisted below Name Registration Registration Number Number Additional registered practitioner(s) named on supplemental Registered Practitioner Information sheet PTO/SB/02C attached hereto. Direct all correspondence to: Correspondence 22922 OR associated with address below Customer Number Name Address City ZIP State Telephone Email Country WARNING: Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

| NAME OF SOLE OR FIRST INVENTOR:        |       |   |          | petition has been filed for this unsigned inventor |               |                          |  |
|--|-------|---|----------|--|---------------|--------------------------|--|
|  |       |   |          | •  | or Surname    |                          |  |
| Louis A.                               |       |   |          | CARPINO  |               |                          |  |
| Inventor's Signature                   |       | ***   | Date     |  |               |                          |  |
|  | ~     | ·~~~  |          |  | _,            |                          |  |
| Residence: City                        | State |   | 1        | Count  | ry            | Citizenship              |  |
| Amherst                                | MA    |   |          | U.S.   |               | U.S.                     |  |
| Mailing Address                        |       |   |          |  |               |                          |  |
| 11 Mount Pleasant                      |       |   |          |  | _~            |                          |  |
| City                                   | State |   |          | Zip  |               | Country                  |  |
| Amherst                                | MA    |   |          | 0100   | 2             | U.S.                     |  |
|  |       |   |          |  |               |                          |  |
| NAME OF SECOND INVENTOR:               |       |   | A petiti | on has   | been filed fo | r this unsigned inventor |  |
| Given Name (first and middle [if any]) |       |   |          |  | e or Surnam   |                          |  |
| Jusong                                 |       |   |          |  |               |                          |  |
| Inventor's Signature                   |       |   | <b></b>  |  | Date          |                          |  |
|  |       |   |          |  |               |                          |  |
| Residence: City                        | State |   |          | Count  | •             | Citizenship              |  |
| Moore                                  | SC    |   |          | U.S.   |               | CN                       |  |
| Mailing Address                        |       |   | ,,,,,,,  |  |               |                          |  |
| 509 Bernndary Court                    |       |   |          | ,  |               |                          |  |
| City                                   | State |   |          | Zip  | _             | Country                  |  |
| Мооге                                  | SC    |   |          | 2936   | i9            | U.S.                     |  |
|  |       |   |          |  |               |                          |  |
| NAME OF THIRD INVENTOR:                |       |   | A petit  | ion has  | been filed fo | r this unsigned inventor |  |
| Given Name (first and middle [if any]) | -     | <del>• - , , , , , , , , , , , , , , , , , , </del> | Fam      | ily Nam  | e or Surnam   |                          |  |
| Chongwu                                |       |   | ZHA      | ANG  |               |                          |  |
| Inventor's Signature                   |       |   |          |  | Date          |                          |  |
|  | ·     |   |          |  |               |                          |  |
| Residence: City                        | State |   |          | Coun   |               | Citizenship              |  |
| Dayton                                 | NJ    |   |          | U.S.   |               | CN                       |  |
| Mailing Address                        |       |   |          |  |               |                          |  |
| 503 Yarrow Circle                      |       |   |          | <b>,</b> —   | ·····         |                          |  |
| City                                   | State |   |          | Zip  |               | Country                  |  |
| Dayton                                 | NJ    | _   |          | 088  | 1U            | U.S.                     |  |
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| NAME OF FOURTH INVENTOR:                              | A petition has been filed for this unsigned inventor |                            |                   |              |  |
|---|--|----------------------------|-------------------|--------------|--|
| Given Name (first and middle [if any]) Calin Dan      | 1  | Family Name or<br>SFERDEAN | Surname           |              |  |
| Inventor's Signature Fuch Corl                        | <u></u>  | Da                         | ate ( { { }       | 2012006      |  |
| Residence: City Sta<br>Riverview MI                   | te   | Country<br>U.S.            | Citizenship<br>RO |              |  |
| Mailing Address 19440 Fort St, 201 Apt King's Forest, |  |                            | <b>*</b>          |              |  |
| City Sta MI   | te   | Zip<br>48193               |                   | Country U.S. |  |

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| DECLARA                   | DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63) |  | Attorney Docket<br>Number | 8884             |
|---------------------------|--|--|---------------------------|------------------|
|                           |  |  | First Named Inventor      | Louis A. Carpino |
| (                         | 37 C   | FR 1.63)                               | Application Number        | 10/577,352       |
| ☐Declaration<br>Submitted |  |  | Filing Date               | April 28, 2006   |
| With Initial<br>Filing    | •••  | Filing (surcharge<br>(37 CFR 1.16 (e)) | Art Unit                  |                  |
| Filing                    |  | required)                              | Examiner Name             |                  |

| _              |   |   |                       |                            |  |                |                 |  |  |  |  |
|----------------|---|---|-----------------------|----------------------------|--|----------------|-----------------|--|--|--|--|
|                | I hereby declare that:  |   |                       |                            |  |                |                 |  |  |  |  |
|                | Each inventor's residence   | e, mailing address, and ci                                    | tizenship are as      | stated be                  | low next to their                            | name.          |                 |  |  |  |  |
|                | I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled: |   |                       |                            |  |                |                 |  |  |  |  |
|                | NEW COUPLING AGENTS FOR PEPTIDE SYNTHESIS   |   |                       |                            |  |                |                 |  |  |  |  |
|                | the specification of which (Title of the Invention)   |   |                       |                            |  |                |                 |  |  |  |  |
|                | is attached hereto  |   |                       |                            |  |                |                 |  |  |  |  |
|                | OR  |   |                       |                            |  |                |                 |  |  |  |  |
|                | ■ was filed on (MM/DD/Y)  | (YYY) 11/01/2004  | as United             | I States Ap                | oplication Number o                          | r PCT Interna  | tional          |  |  |  |  |
| Ą              | pplication Number PC  | CT/US2004/036428 and  | was amended on        | (MM/DD/Y                   | YYY) 04/2                                    | 28/2006        | (if applicable) |  |  |  |  |
| l i<br>ar      | hereby state that I have review mended specifically referred  | ewed and understand the c to above.                           | ontents of the abo    | ove identif                | ied specification, i                         | including the  | claims, as      |  |  |  |  |
| CC             | acknowledge the duty to disc<br>ontinuation-in-part application<br>e national or PCT internation  | ns, material information whi                                  | ich became availa     | able betwe                 |  |                |                 |  |  |  |  |
| br<br>St<br>br | nereby claim foreign priority be<br>reeder's rights certificate(s), or<br>tates of America, listed below<br>reeder's rights certificate(s), or<br>aimed.                          | r 365(a) of any PCT internat<br>and have also identified belo | tional application wo | vhich desig<br>ne box, anv | gnated at least one<br>v foreign application | country other  | than the United |  |  |  |  |
| P              | rior Foreign Application  | _   | Foreign Filing        |                            | Priority                                     | Certified C    | opy Attached?   |  |  |  |  |
|                | Number(s)   | Country   | (MM/DD/YY             | YY)                        | Not Claimed                                  | YES            | NO              |  |  |  |  |
|                |   | ,   |                       |                            |  |                | $\boxtimes$     |  |  |  |  |
|                |   |   |                       |                            |  |                | $\boxtimes$     |  |  |  |  |
| Γ              | Additional foreign application  | n numbers are listed on a su                                  | pplemental priority   | data shee                  | t PTO/SB/02B attac                           | ched hereto:   |                 |  |  |  |  |
| 1              | hereby claim the benefit u  | ınder 35 U.S.C. 119(e) of                                     | any United Stat       | es provisi                 | ional application(                           | s) listed belo | ow.             |  |  |  |  |
|                | Application Number(s)   |   |                       |                            |  |                |                 |  |  |  |  |
| 0/5            | 516,167   | 10/31/2003  |                       |                            | Additional provision                         |                |                 |  |  |  |  |
|                |   |   |                       |                            | listed on a supple<br>PTO/SB/02B attack      |                | data sheet      |  |  |  |  |

[Page 1 of 2]

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1 63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1 11 and 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Patent and Trademark Office, U.S. Population of the Commerce of Commerce 1450 Alexandric VA 23213 1450 DO NOT SEND FEES OF COMMERCE FEED FORMS TO THIS Department of Commerce, PO Box 1450, Alexandria, VA 22313-1450 DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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## **DECLARATION** — Utility or Design Patent Application

hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application. U.S. Parent Application or PCT Parent **Parent Patent Number** Parent Filing Date Number (MM/DD/YYYY) (if applicable) Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto. As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: 

Customer Number Registered practitioner(s) name/registration number listed below Name Registration Registration Name Number Number Additional registered practitioner(s) named on supplemental Registered Practitioner Information sheet PTO/SB/02C attached hereto Direct all correspondence to: Correspondence 22922 OR associated with address below **Customer Number** Name Address City State ZIP

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Country

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|--|---------|------------------------|---------|---------|--|---------------------------------------|--|--|
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| Louis A.   |         | CARPINO                |         |         |  |                                       |  |  |
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| City   | State   |                        | ŀ       | Zip     |  | Country                               |  |  |
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|  |         |                        | F.V     |         |  | · · · · · · · · · · · · · · · · · · · |  |  |
| NAME OF SECOND INVENTOR:   |         | A                      | petitic | n has   | been filed fo  | r this unsigned inventor              |  |  |
| Given Name (first and middle [if any])   |         | 1                      | -       | y Nam   | e or Surnam  | e                                     |  |  |
| Jusong   |         | XIA                    |         |         |  |                                       |  |  |
| Inventor's Signature   |         |                        |         | *       | Date / 0   | 125/06                                |  |  |
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| Mailing Address  |         |                        |         |         | 0  |                                       |  |  |
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| City   | State   |                        |         | Zip     |  | Country                               |  |  |
| Moore  | sc      |                        |         | 29369   |  | U.S.                                  |  |  |
|  |         |                        |         |         |  | -                                     |  |  |
| NAME OF THIRD INVENTOR:  |         | A                      | petitio | n has l | been filed for                                       | this unsigned inventor                |  |  |
| Given Name (first and middle [if any])   |         |                        | •       |         | or Surname   |                                       |  |  |
| Chongwu  |         |                        | ZHAI    | NG      |  |                                       |  |  |
| Inventor's Signature   |         |                        |         |         | Date   | -                                     |  |  |
| Residence: City  | State   | ī                      |         | Countr  | у  | Citizenship                           |  |  |
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| Mailing Address 503 Yarrow Circle  |         |                        |         |         |  |                                       |  |  |
| City   | State   |                        | 7       | Zip     |  | Country                               |  |  |
| Dayton   | NJ      |                        |         | 0881    | 0  | U.S.                                  |  |  |
| The second secon | <u></u> |                        |         |         |  |                                       |  |  |

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|---|-------------|--|----------------|-------------------|--|--|
| Given Name (first and middle [if any])  Calin Dan   |             | Family Name or Surname SFERDEAN                      |                |                   |  |  |
| Inventor's Signature                                |             |  | Date           |                   |  |  |
| Residence: City Amherst                             | State<br>MA |  | ountry<br>I.S. | Citizenship<br>RO |  |  |
| Mailing Address 286 Sunset Avenue, 308 Prince House |             |  |                |                   |  |  |
| City Amherst  | State<br>MA | 2<br>0   | ip<br>1003     | Country U.S.      |  |  |

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| DECLARATION FOR UTILITY OR                                     | Attorney Docket      | 8884             |  |  |  |  |
|--|----------------------|------------------|--|--|--|--|
| DESIGN   | First Named Inventor | Louis A. Carpino |  |  |  |  |
| PATENT APPLICATION   | COMPLETÉ IF KNOWN    |                  |  |  |  |  |
| (37 CFR 1.63)  | Application Number   | 10/577,352       |  |  |  |  |
| ☐Declaration ☐Declaration Submitted OR Submitted after Initial | Filing Date          | April 28, 2006   |  |  |  |  |
| With Initial Filing (surcharge Filing (37 CFR 1.16 (e))        | Art Unit             |                  |  |  |  |  |
| required)  | Examiner Name        |                  |  |  |  |  |
|  |                      |                  |  |  |  |  |

| I hereby declare that:   | *   |   | •   |                                       |  | •                   |                 |  |  |  |
|--|---|---|---|---------------------------------------|--|---------------------|-----------------|--|--|--|
| Each inventor's residen  | ice, mailing addre  | ess, and citize                         | enship are as   | stated be                             | olow next to their   | name.               |                 |  |  |  |
| I believe the inventor(s) na<br>is sought on the invention   | I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled: |   |   |                                       |  |                     |                 |  |  |  |
| 1  | NEW COUPLI  | NG AGEN                                 | TS FOR PI   | EPTIDE                                | SYNTHESIS  | 3                   |                 |  |  |  |
| the specification of which   | 1   | (Title of the In                        | nvention)   |                                       |  |                     | <del>,,</del>   |  |  |  |
| is attached hereto   | 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1  | No.                                     |   |                                       | ander og er  |                     | ane · · ·       |  |  |  |
| ☑ was filed on (MM/DI  |   |   | 1   | ** * ** * * * * * * * * * * * * * * * | pplication Number o  | or PCT Internati    | onal            |  |  |  |
|  | PCT/US2004/03642  |   | 3 ( )   | •                                     |  | 28/2006             | (if applicable) |  |  |  |
| I hereby state that I have re<br>amended specifically referre  | viewed and unders   | stand the conte                         | ents of the abo   | ve identifi                           | fied specification, i                                      | including the c     | laims, as       |  |  |  |
| I acknowledge the duty to d<br>continuation-in-part applicat<br>the national or PCT internat   | disclose information<br>tions, material infor   | n which is mate<br>ermation which t     | terial to patental<br>became availa   | ability as de                         | defined in 37 CFR  | 1.56 including      | a for           |  |  |  |
| I hereby claim foreign priority<br>breeder's rights certificate(s),<br>States of America, listed belo<br>breeder's rights certificate(s),<br>claimed | , or 365(a) of any Po<br>ow and have also ide   | PCT international<br>dentified below, t | nal application what the control is the control of | vhich desigr<br>ne box, anv           | gnated at least one<br>v foreign application               | country other to    | than the United |  |  |  |
| Prior Foreign Application<br>Number(s)   | Ċountry   |   | Foreign Filing  |                                       | Priority<br>Not Claimed                                    |                     | opy Attached?   |  |  |  |
|  |   |   | (11111111111111111111111111111111111111   |                                       | 1101 0101111   | YES                 | NO              |  |  |  |
|  |   |   |   | J                                     | I ∐ '  |                     |                 |  |  |  |
|  | <u> </u>  |   |   |                                       |  |                     |                 |  |  |  |
| Additional foreign application   | tion numbers are lis  | ted on a supple                         | emental priority  | data sheet                            | t PTO/SB/028 attar   | ched hereto:        | · .             |  |  |  |
| I hereby claim the benefit   | t under 35 U.S.C.   | . 119(e) of any                         | y United State  | es provisi                            | onal application(  | s) listed belov     | w               |  |  |  |
| Application Number(s   | s) Filing   | Date (MM/DD                             | D/YYYY)   |                                       |  |                     |                 |  |  |  |
| 50/516,167   | 10/31/2003  |   |   |                                       | Additional provision listed on a suppler PTO/SB/02B attack | emental priority of |                 |  |  |  |

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hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1 56 which became available between the filing date of the prior application and the national or PCT international filing date of this application **U.S. Parent Application or PCT Parent** Parent Filing Date **Parent Patent Number** Number (MM/DD/YYYY) (if applicable) Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: 

Customer Number 22922 Registered practitioner(s) name/registration number listed below Name Registration Name Registration Number Number Additional registered practitioner(s) named on supplemental Registered Practitioner Information sheet PTO/SB/02C attached hereto Direct all correspondence to: Correspondence 22922 associated with OR address below **Customer Number** Name Address City State ZIP Country Telephone Email WARNING: Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both,

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|--|--|-------------|------------------------|--------------|---------------|--------------------------|--|--|--|
| Given Name (first and middle [if any]) |  |             | Family Name or Surname |              |               |                          |  |  |  |
| Louis A.                               |  | CARPINO     |                        |              |               |                          |  |  |  |
| Inventor's Signature                   |  |             |                        |              | Date          |                          |  |  |  |
|  | <del></del>  |             |                        |              |               | 1                        |  |  |  |
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| Aminorat                               | IVIA   | IVIA        |                        | 01002        |               | 0.3.                     |  |  |  |
|  |  |             |                        |              |               |                          |  |  |  |
| NAME OF SECOND INVENTOR:               |  | □ A₁        | petition l             | nas          | been filed fo | r this unsigned inventor |  |  |  |
| Given Name (first and middle [if any]) | Family Name or Surname                               |             |                        |              |               |                          |  |  |  |
| Jusong                                 | XIA  |             |                        |              |               |                          |  |  |  |
| Inventor's Signature                   |  |             |                        |              | Date          |                          |  |  |  |
|  |  |             |                        |              | <u> </u>      |                          |  |  |  |
| Residence: City                        | State  |             |                        | Country      |               | Citizenship              |  |  |  |
| Moore                                  | SC   |             | U.                     | U.S.         |               | CN                       |  |  |  |
| Mailing Address                        |  |             |                        |              |               |                          |  |  |  |
| 509 Bernndary Court                    | ,  |             | · .                    |              |               |                          |  |  |  |
| City<br>Moore                          | State  | State<br>SC |                        | Zip          |               | Country                  |  |  |  |
| Moote                                  | SC   |             |                        | 29369        |               | U.S.                     |  |  |  |
|  | 0  |             |                        |              |               |                          |  |  |  |
| NAME OF THIRD INVENTOR:                |  | Пар         | etition h              | nas I        | been filed fo | r this unsigned inventor |  |  |  |
| Given Name (first and middle [if any]) | f middle [if any]) Family Name or Surname            |             |                        |              |               |                          |  |  |  |
| Chongwu                                |  |             | ZHANC                  | à<br>        |               |                          |  |  |  |
| Inventor's Signature Charge The        | ing  |             |                        |              | Date /o/2     | 4/06                     |  |  |  |
| Residence: City                        | State  |             | Co                     | Country      |               | Citizenship              |  |  |  |
| Dayton                                 | NJ   |             | U.                     | U.S.         |               | CN                       |  |  |  |
| Mailing Address 503 Yarrow Circle      |  |             |                        |              |               |                          |  |  |  |
| City                                   | State  | Zíp         | ,                      |              | Country       |                          |  |  |  |
| Dayton                                 | NJ   | 08          | 810                    | <b>)</b>     | U.S.          |                          |  |  |  |
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|---|-------------|---|--|--------------|------|-------------------|--|--|--|
| Given Name (first and middle [if any]) Calin Dan    |             |   | Family Name or Surname SFERDEAN                      |              |      |                   |  |  |  |
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